

CHAPTER 2

DEFINITIONS AND ABBREVIATIONS

SIFC-201.0 DEFINITIONS

The following words and terms shall, for the purposes of this Special Inspections Document, have the meanings shown in this chapter. Terms not defined in this Special Inspections Document shall have the meanings ascribed to them in the VUSBC and BNBC.

Architect of Record

(AR) The ***Registered Design Professional*** retained by the ***Owner*** to design or specify architectural construction in accordance with the VUSBC and the Code of the County of Fairfax and whose signature and seal appear on the *County-approved architectural construction documents*.

Certification

1. A statement by a ***Registered Design Professional*** which shall indicate that the item(s) under consideration, in his/her opinion and to the best of his/her knowledge, complies with *County-approved documents*. A certification shall carry the original signature and seal of the ***Registered Design Professional*** making the statement;
2. A statement by a ***Registered Design Professional*** which shall indicate that the item(s) under consideration, in his/her opinion and to the best of his/her knowledge, complies with requirements of the VUSBC. A certification shall carry the original signature and seal of the ***Registered Design Professional*** making the statement.

Completion Letter	<ol style="list-style-type: none">1. A <i>certification</i> by the <i>Special Inspections Engineer of Record (SIER)</i> which shall indicate that the specific construction subject to special inspections, as required by the VUSBC, has been inspected in accordance with “Special Inspections: Implementation in Fairfax County/1996 Edition” and is completed and, in the SIER's professional opinion and to the best of the SIER's knowledge, complies with <i>County-approved documents</i> and project specifications. A completion letter shall carry the original signature and seal of the SIER making the statement;2. A <i>certification</i> by the <i>Geotechnical Engineer of Record (GER)</i> which shall indicate that the specific construction subject to special inspections, as required by the VUSBC, has been inspected in accordance with “Special Inspections: Implementation in Fairfax County/1996 Edition” and is completed and, in the GER's professional opinion and to the best of the GER's knowledge, complies with <i>County-approved documents</i> and project specifications. A completion letter shall carry the original signature and seal of the GER making the statement.
Construction Documents	Documents prepared for the purpose of obtaining a building permit, as defined by BNBC.
County-Approved Documents	<ol style="list-style-type: none">1. <i>Construction documents</i> as approved by the Building Plan Review Branch including all approved revisions;2. <i>Fabrication and erection documents</i> as approved by the FCCSS including all approved revisions.
Critical Structure	A building/structure to be constructed or altered under the Fairfax County Special Inspections Program.
Fabrication and Erection Documents	All of the written, graphic and pictorial documents prepared or assembled after issuance of a building permit and in addition to the <i>County-approved construction documents</i> , describing the design, location and physical characteristics of the building components or materials necessary for fabrication, assembly or erection of the elements of the project.

Final Report of Special Inspections	A <i>certification</i> by the <i>Special Inspections Engineer of Record (SIER)</i> which shall indicate that all construction subject to special inspections, as required by the VUSBC, has been inspected in accordance with “Special Inspections: Implementation in Fairfax County/1996 Edition” and is completed and, in the SIER's professional opinion and to the best of the SIER's knowledge, a construction project complies with <i>County-approved documents</i> and project specifications. The Final Report of Special Inspections shall carry the original signature and seal of the SIER making the statement.
Geotechnical Engineer of Record	(GER) The <i>Registered Design Professional</i> retained by the Owner to design or specify earthwork and foundations in accordance with the VUSBC, the Code of the County of Fairfax and the Fairfax County Public Facilities Manual and whose seal and signature appear on the County-approved geotechnical report.
Inspection	The periodic observation of work and the performance of tests for certain building or structure components to establish conformance with <i>County-approved documents</i> as required by the VUSBC and this Special Inspections Document.
Inspection and Testing Agency	Agency or agencies retained by the Owner and approved by FCCSS to perform special inspections and materials testing required by the VUSBC, BNBC Section 1705.0 and this Special Inspections Document. The Inspection and Testing Agency shall be independent of the contractors performing the work subject to special inspections.
Non-Residential Use Permit	(Non-RUP) A certificate of occupancy issued by the Fairfax County Zoning Administration Division of the Office of Comprehensive Planning pursuant to the Fairfax County Zoning Ordinance (Chapter 112 of the Code of the County of Fairfax). A Non-Residential Use Permit issued for a building shell indicates that construction of a new building has been completed in compliance with all Fairfax County requirements. A Non-Residential Use Permit for a specific tenant indicates that construction of this tenant's space has been completed in compliance with all Fairfax County requirements, and can be occupied.
Non-Structural Elements	Elements of a building that are not <i>primary</i> or <i>secondary structural elements</i> . Examples include exterior curtain walls and cladding, nonloadbearing partitions, stair railings, etc.

Owner	Owner or owners of the freehold of the premises or lesser estate therein, a mortgagee or vendee in possession, assignee of rents, receiver, executor, trustee, or lessee in control of a building/structure to be constructed/alterd, or the owner's duly authorized representative.
Pre-Engineered Structural Elements	Structural elements specified by the <i>Structural Engineer of Record</i> but which may be designed by a specialty <i>Registered Design Professional</i> . Examples may be items such as open web steel joists and joist girders; wood trusses; combination wood, metal and plywood joists; precast concrete elements; prefabricated wood or metal buildings; tilt-up concrete panel reinforcement and lifting hardware.
Primary Structural System	The combination of elements which serve to support the weight of the building's structural shell, the applicable live load based upon use and occupancy, and environmental loads such as wind, thermal loads and seismic loads. Items such as curtain wall members, nonloadbearing walls, or exterior facades are not part of the primary structural system.
Registered Design Professional	A professional architect or professional engineer licensed in the Commonwealth of Virginia (see Code of Virginia, § 54-1).
Secondary Structural Elements	Building elements that are structurally significant for the function they serve but are not necessary to ensure stability of the <i>primary</i> structure. Examples include: support beams above the <i>primary</i> roof structure which carry a chiller; elevator support rails and beams; retaining walls independent of the <i>primary</i> building; flagpole or light pole foundations; falsework required for the erection of the <i>primary structural system</i> ; steel stairs or railings; etc., not fully specified on the <i>County-approved construction documents</i> .
Shall	The term, where used in this Special Inspections Document, indicates mandatory requirements.
Special Inspections Engineer of Record	(SIER) The <i>Registered Design Professional</i> who is directly responsible for special inspections, materials testing and related services as described in the <i>County-approved Statement of Special Inspections</i> and this Special Inspections Document.

Statement of Special Inspections	(SSI) The Statement of Special Inspections is a statement prepared by the Owner and the appropriate Registered Design Professionals of record (AR, GER, SER) and submitted by the permit applicant. The SSI identifies the scope of the special inspections services applicable to a construction project and the Registered Design Professionals and <i>Inspection and Testing Agencies</i> who will provide those services. The SSI is required as a condition for permit issuance in accordance with BNBC as amended by the VUSBC.
Structural Engineer of Record	(SER) The Registered Design Professional retained by the Owner to design or specify structural documents in accordance with the VUSBC and the Code of the County of Fairfax and whose signature and seal appear on the <i>County-approved structural construction documents</i> .

SIFC-202.0 ABBREVIATIONS

A2LA	American Association for Laboratory Accreditation
ACI	American Concrete Institute
AISC	American Institute of Steel Construction, Inc.
AISC ASD	AISC Specification for Structural Steel Buildings - Allowable Stress Design and Plastic Design
AISC LRFD	AISC Load and Resistance Factor Design Specification for Structural Steel Buildings
AISI	American Iron and Steel Institute
AR	<i>Architect of Record</i>
ASCE	American Society of Civil Engineers
ASNT	American Society for Non-Destructive Testing
ASTM	American Society for Testing and Materials
AWS	American Welding Society
BIA	Brick Institute of America
BOCA	Building Officials and Code Administrators International, Inc.
BNBC	The BOCA National Building Code/1996 Edition
CFR	Code of Federal Regulations
CCRL	Cement and Concrete Reference Laboratory
DEM	Department of Environmental Management, Fairfax County, Virginia
EIFS	Exterior Insulation and Finish Systems
FCCSS	Fairfax County Critical Structures Section
GC	General Contractor
GER	<i>Geotechnical Engineer of Record</i>
NVLAP	National Voluntary Laboratory Accreditation Program
NCMA	National Concrete Masonry Association
NEC	National Electrical Code
NICET	National Institute for Certification in Engineering Technologies

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NIST	National Institute of Standards and Technology (formerly National Bureau of Standards)
Non-RUP	<i>Non-Residential Use Permit</i>
PCA	Portland Cement Association
PCI	Prestressed Concrete Institute
RCSC	Research Council on Structural Connections of the Engineering Foundation
SDI	Steel Deck Institute
SJI	Steel Joist Institute
SER	<i>Structural Engineer of Record</i>
SIER	<i>Special Inspections Engineer of Record</i>
SIFC	"Special Inspections: Implementation in Fairfax County/1996 Edition"
SSI	<i>Statement of Special Inspections</i>
TMS	The Masonry Society
VDOT	Virginia Department of Transportation
VOSHA	Virginia Occupational Safety and Health Administration
VUSBC	Virginia Uniform Statewide Building Code/1996 Edition, 13 VAC 5-61-10 et seq.
WACEL	(formerly Washington Area Council of Engineering Laboratories)